

# Virginia's Transportation Performance Report 2006

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Outcome Measures Subcommittee of the  
Transportation Accountability Commission

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# VTrans - Multimodal Long Range Plan

The VTrans2025 Action Plan: the Commonwealth should progress toward performance-based planning and programming

Multimodal performance measures should be tied to the VTrans2025 goals.

# Legislative Requirement

§ 2.2-229 of the Code of Virginia, requires the Multimodal Office to develop transportation performance measures and prepare an annual performance report on state and regional efforts.

*Item 442 of Appropriations Act (2006)* requires that the Multimodal Office work directly with affected MPOs to develop quantifiable and achievable regional goals.

# GOALS

- ✓ **Provide a Safe and Secure Transportation System**
- ✓ **Preserve and Manage the Existing System**
- ✓ **Facilitate the Efficient Movement of People and Goods**
- ✓ **Ensure Economic Vitality**
- ✓ **Improve Land Use Coordination and Quality of Life**

# GOAL

**To provide a safe and secure  
transportation system**

## *Performance Measures*

## *Strategies*

**Number and Rate of Fatalities**

**Number and Rate of Injuries**

**Compliance with the Maritime Transportation Security Act**

**Percentage of Updated Emergency, Disaster, and Evacuation Plans**

**Percentage of Airports Participating in the Voluntary Security Certification Program**

- > Increase safety belt usage to 82 percent
- > Reduce intersection crashes
- > Upgrade 25 rail crossings by 2007
- > Expand Highway Safety Corridor Program
- > Reduce the number of alcohol-related crashes

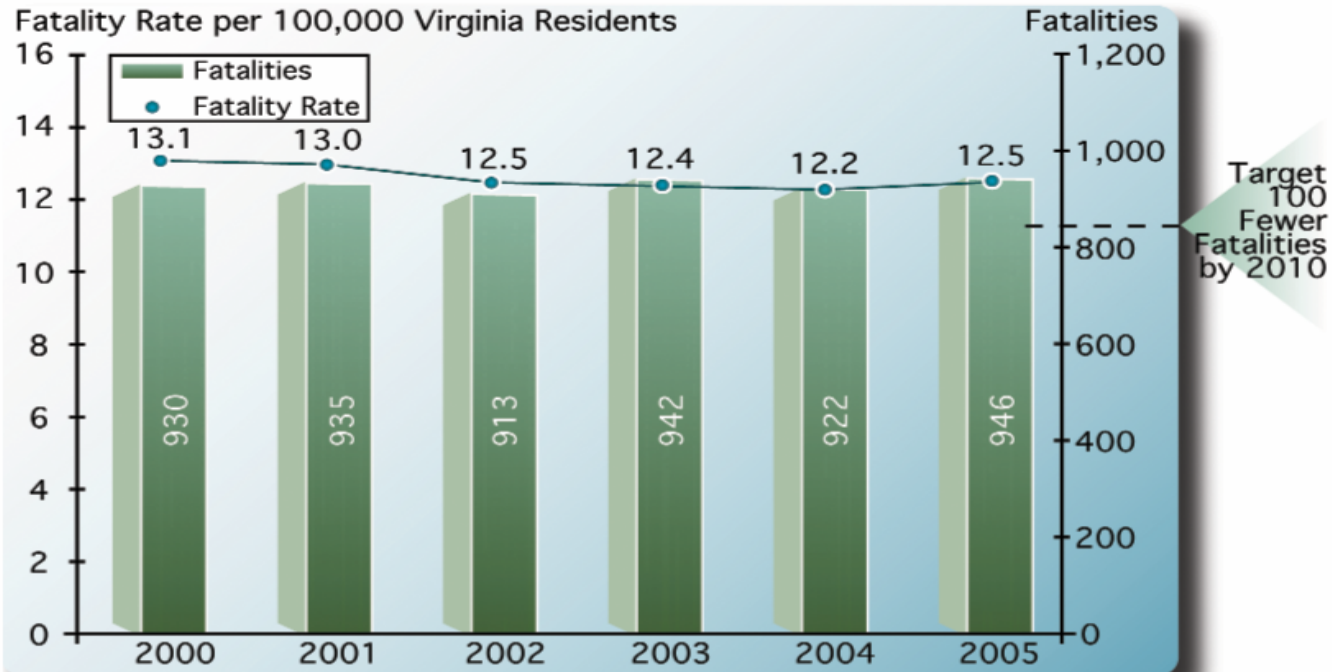
- > Operate a radiation detection system
- > Install electronic gates at terminals
- > Use closed-circuit television surveillance systems

- > Install I-64 lane reversal gates
- > Operate a 24-hour Transportation Emergency Center
- > Maintain the Strategic Highway Network

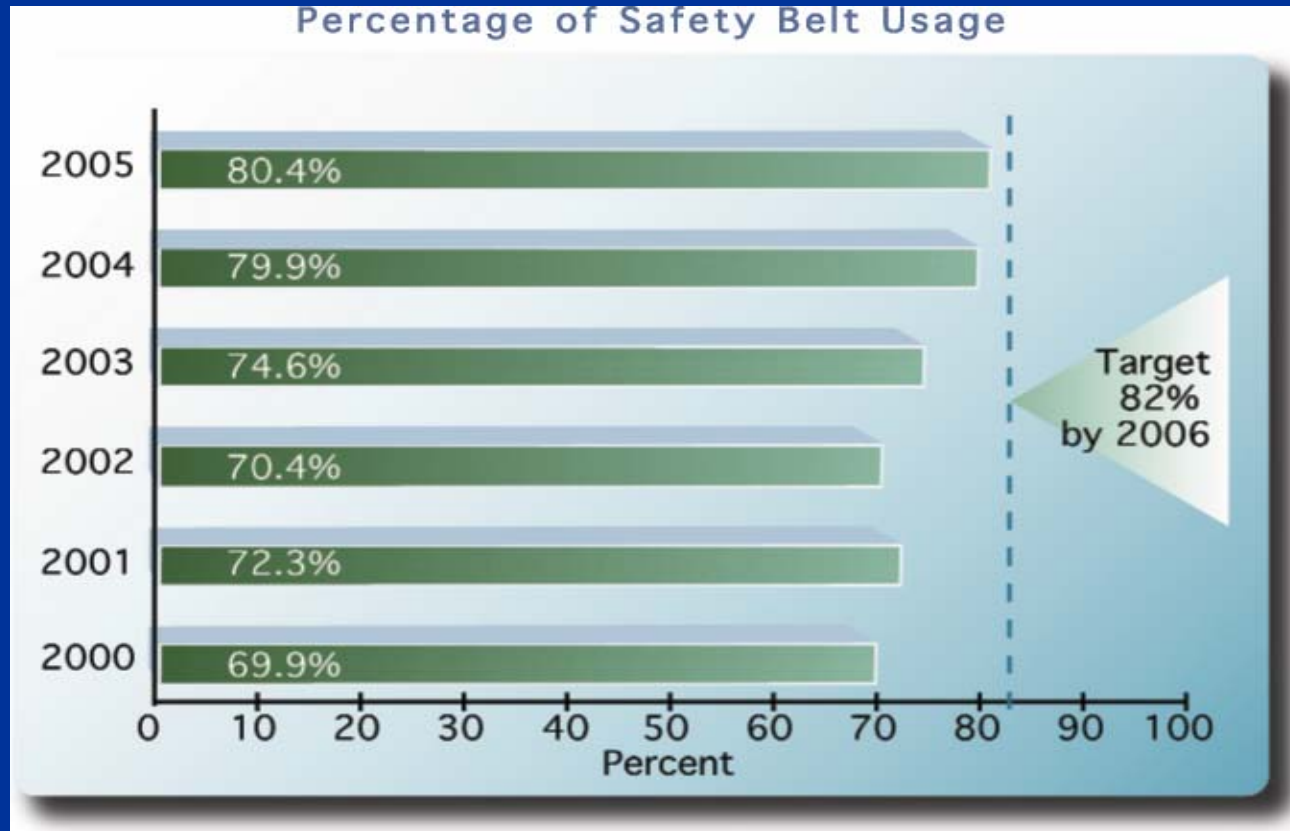
- > Assist airports in developing security programs

# Fatalities

## Number and Rate of Fatalities



# Safety Belt Usage





## Ports

- Scan all import containers for radioactive material
- Install electronic gates at terminals
- Use closed circuit TV surveillance systems

### ***Safety and Security Performance Summary***

Performance Measure	Performance Trend	Desired Trend
Number and Rate of Fatalities	→	↓
Number and Rate of Injuries	↓	↓
Compliance with the Maritime Transportation Security Act	✓	→
Percentage of Updated Emergency, Disaster, and Evacuation Plans	✓	→
Percentage of Airports Participating in the Voluntary Security Certification Program	→	↑

# GOAL

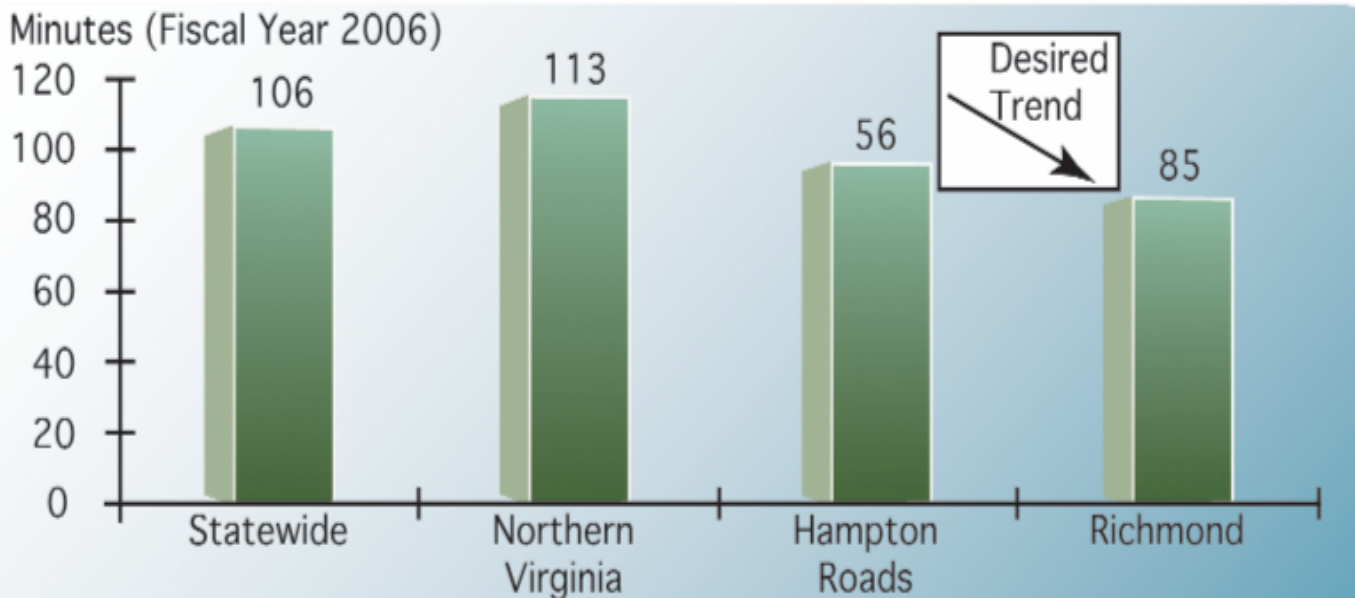
**To preserve and manage the  
existing transportation system**

# Assets in Need of Replacement/Repair

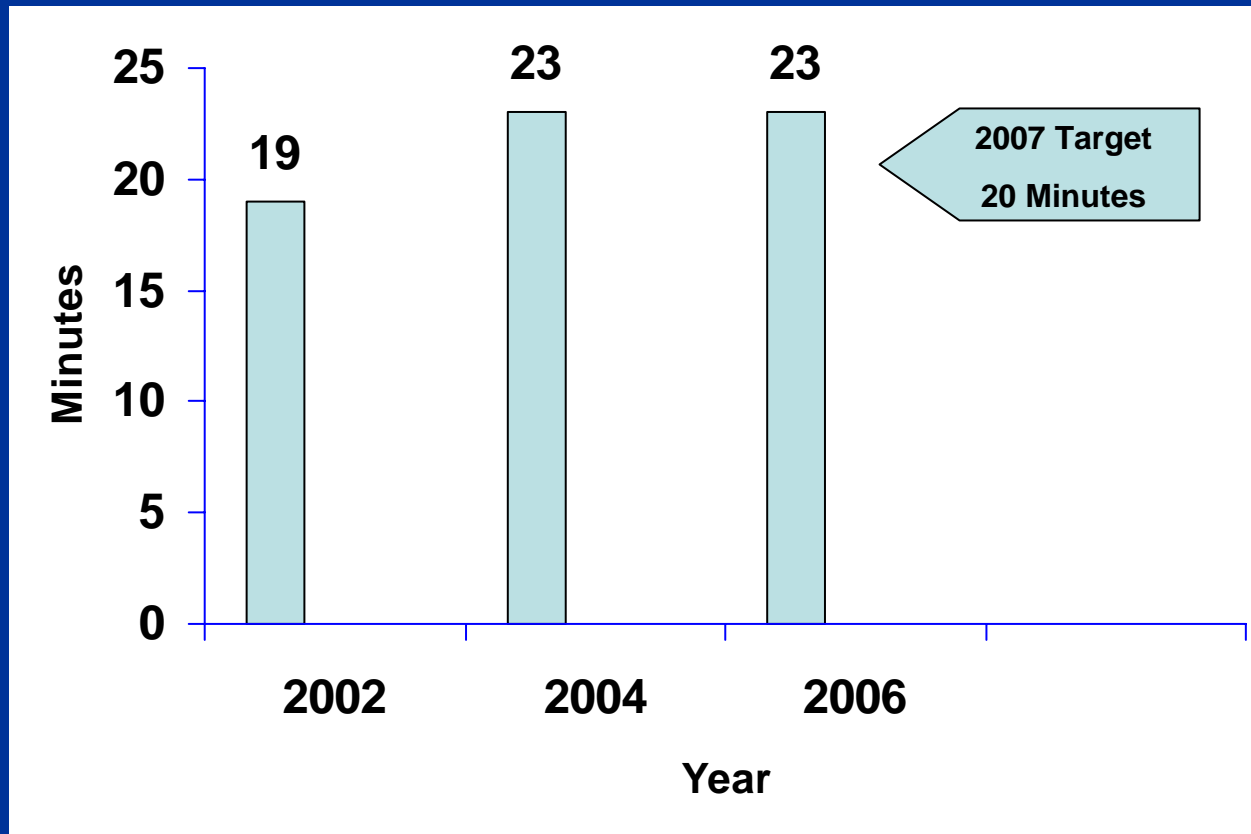
- Transit Vehicles: 21%
  - (beyond replacement age)
- Bridges: 39%
- Pavements:
  - Interstate 10.5%
  - Primary 15.4
  - Secondary 49.0

# Incident Clearance Time

## *Computed Average Clearance Time for Highway Incidents (all road types)*



# DMV Wait Time



### *Preservation and Management Performance Summary*

Performance Measure	Performance Trend	Desired Trend
Percentage of Interstate and Primary Road Pavement in Need of Repair	✓	→
Percentage of Bridges that Need Repair or Rehabilitation	Unavailable	↓
Percentage of Transit Vehicles that Exceed Replacement Age	Unavailable	↓
Average Clearance Time for Highway Incidents	Unavailable	↓
Average Service Wait Time	↑	↓
Increase Port Capacity of Cargo per Acre	↑	↑

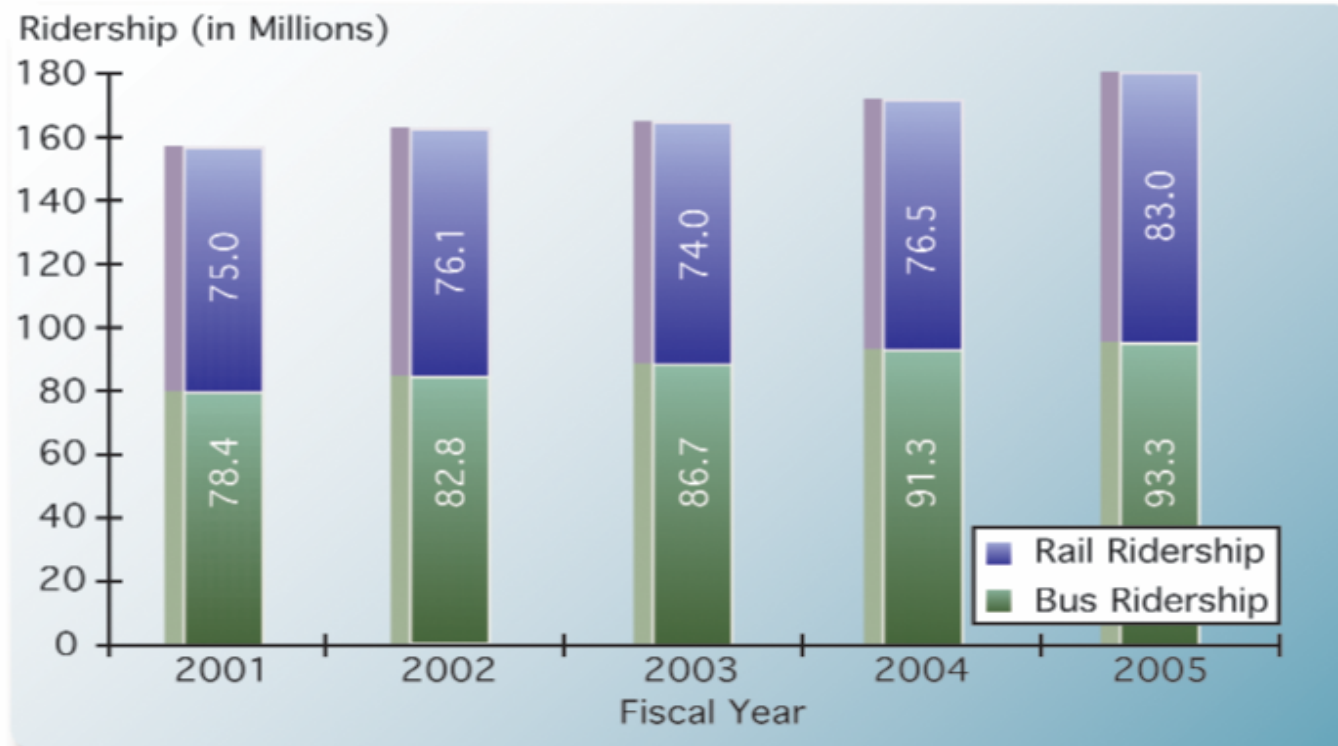
# GOAL

**To facilitate the efficient movement of people and goods and improve interconnectivity of all transportation modes.**



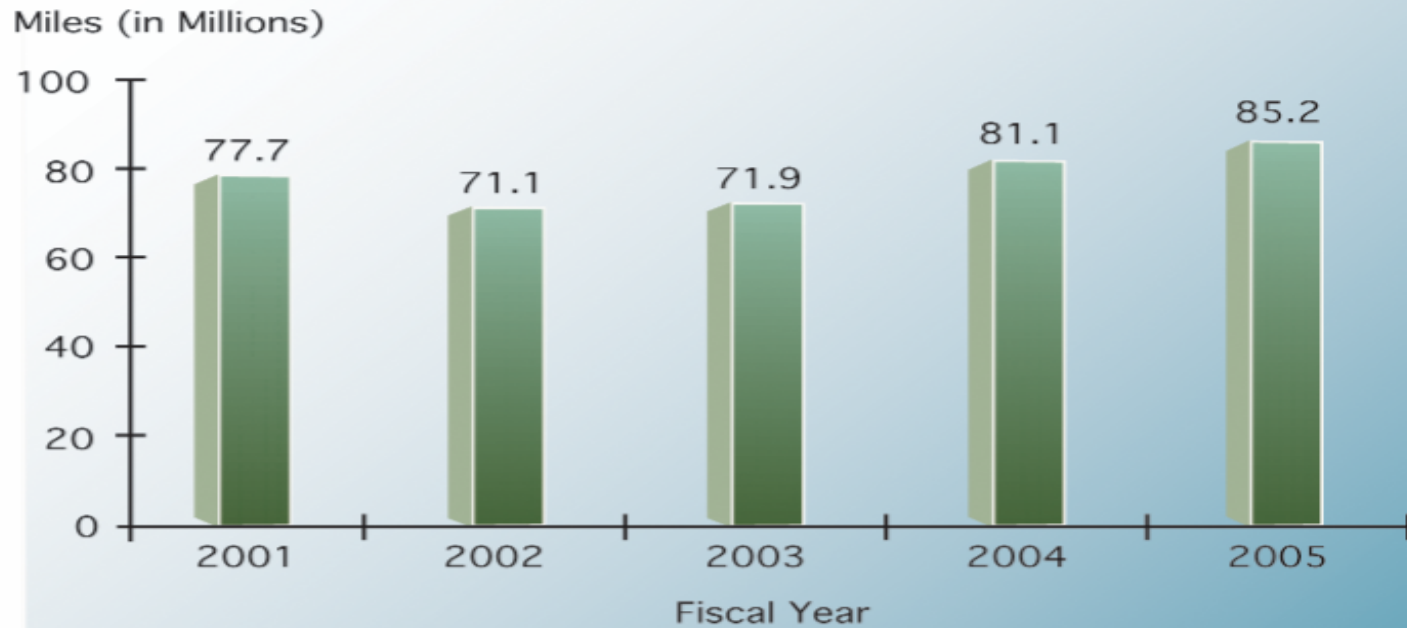
# Transit Ridership

## *Transit Ridership*



# Mobility

## *Transit Vehicle Revenue Miles*

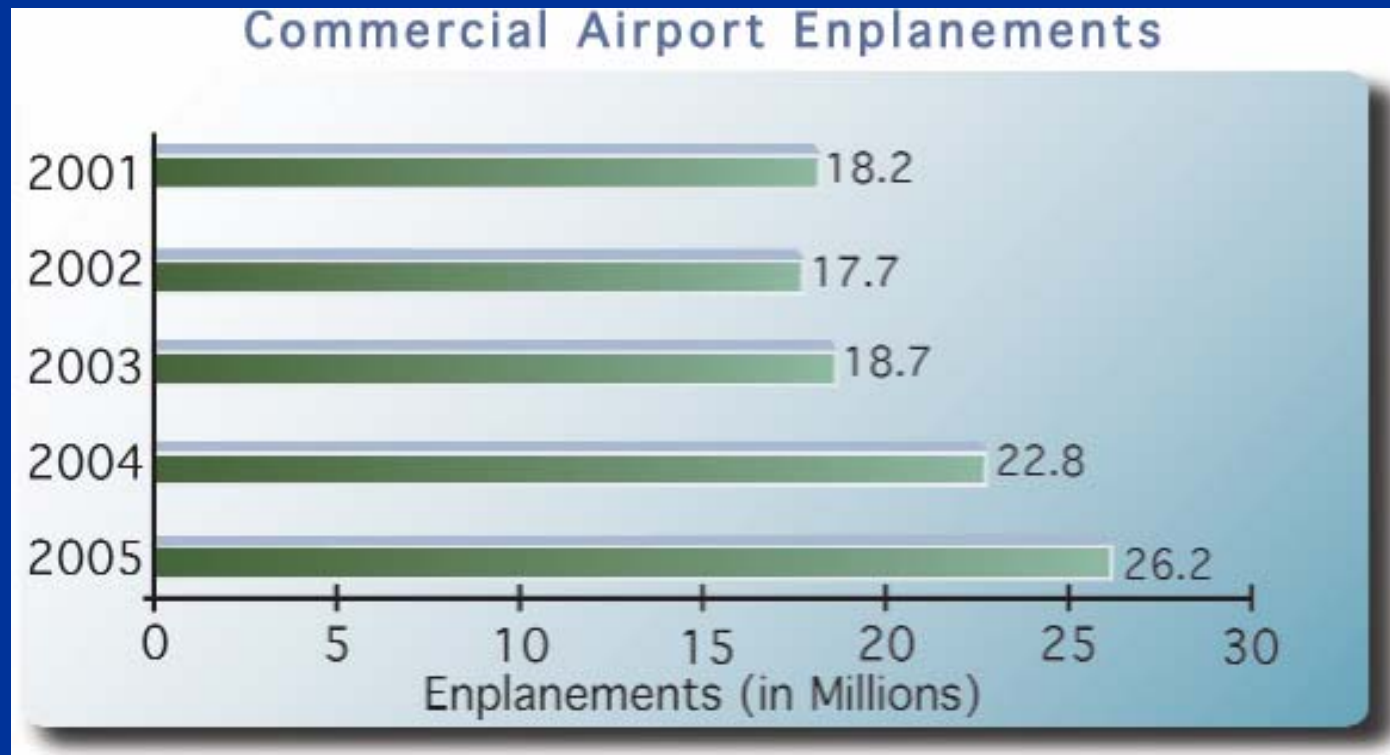


# Congested Lane Miles

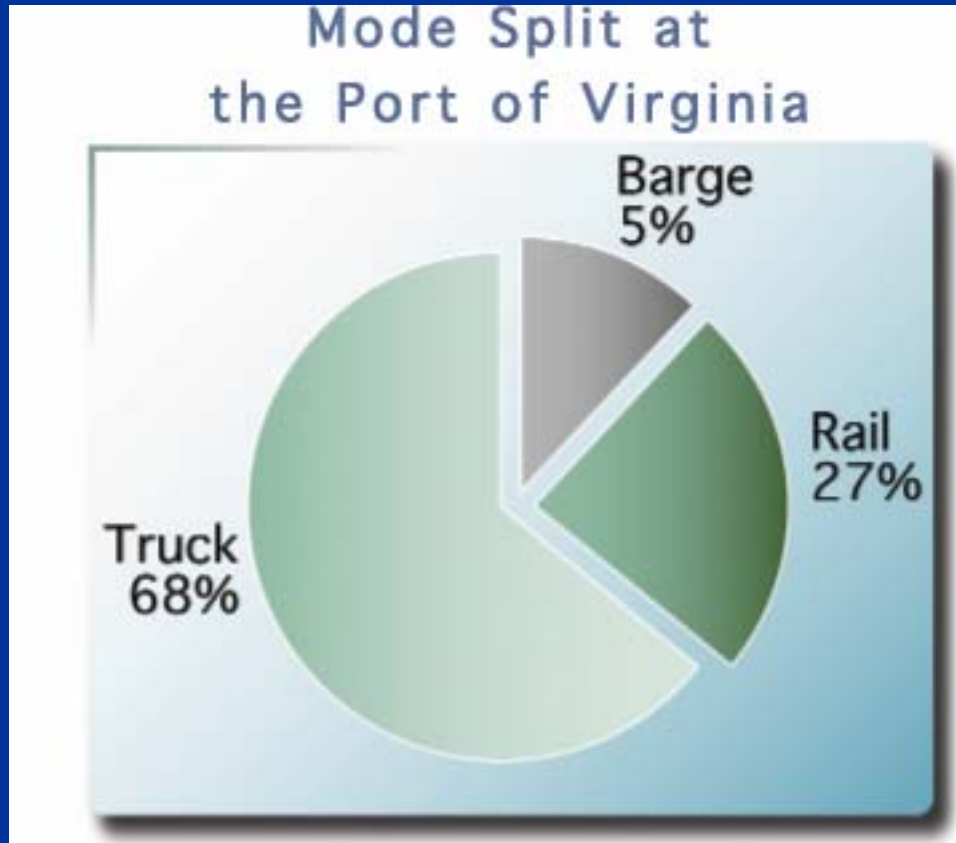
System	Percent Congested* (2005)
Interstate	47%
Primary	13%
Secondary	34%
Urban	17%

\* This information is an output of the Statewide Planning System, which provides an objective planning-level analysis of system conditions.

# Commercial Airport Enplanements



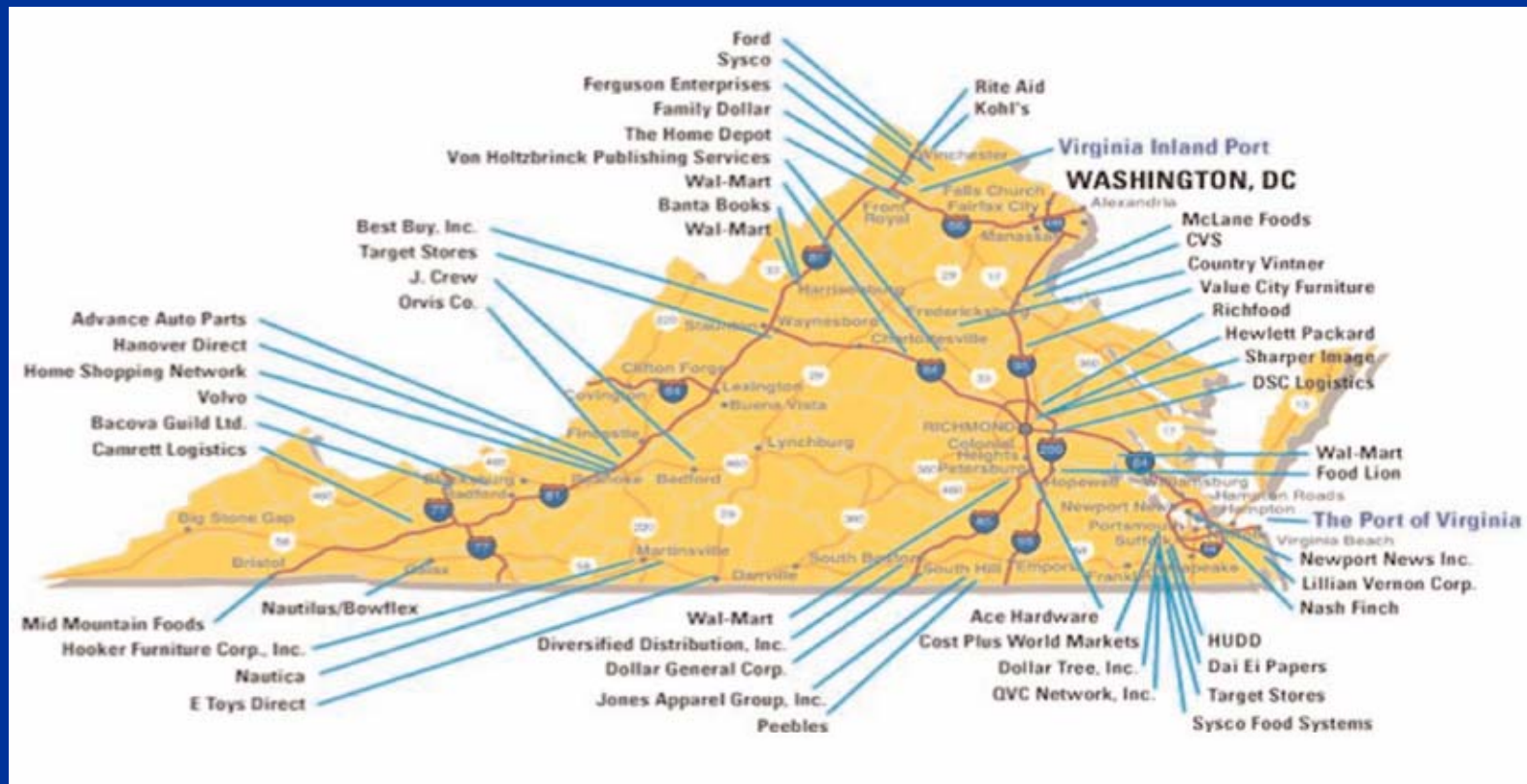
# Mode Split



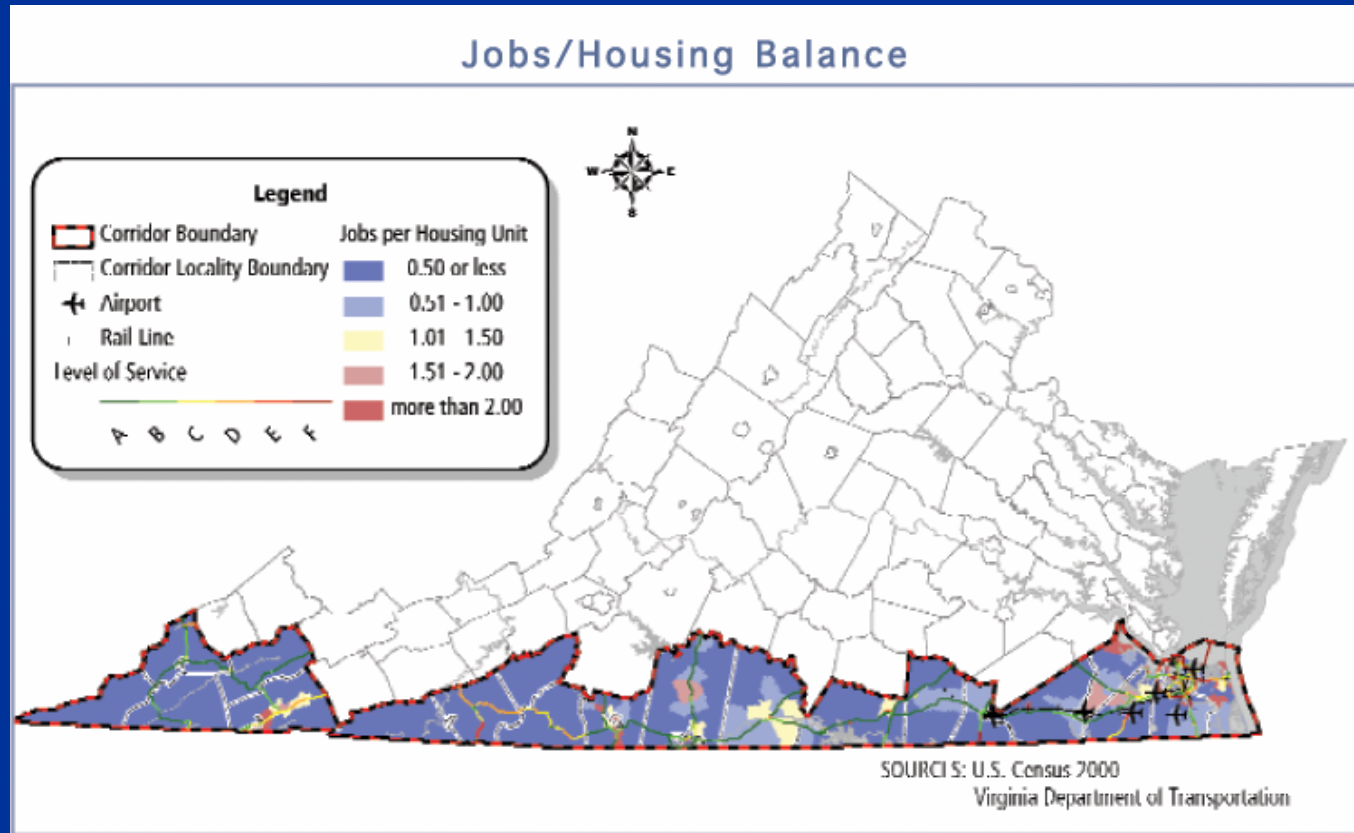
# GOAL

**To improve Virginia's  
economic vitality**

# Port-Related Distribution Centers



# Rt. 58 Corridor



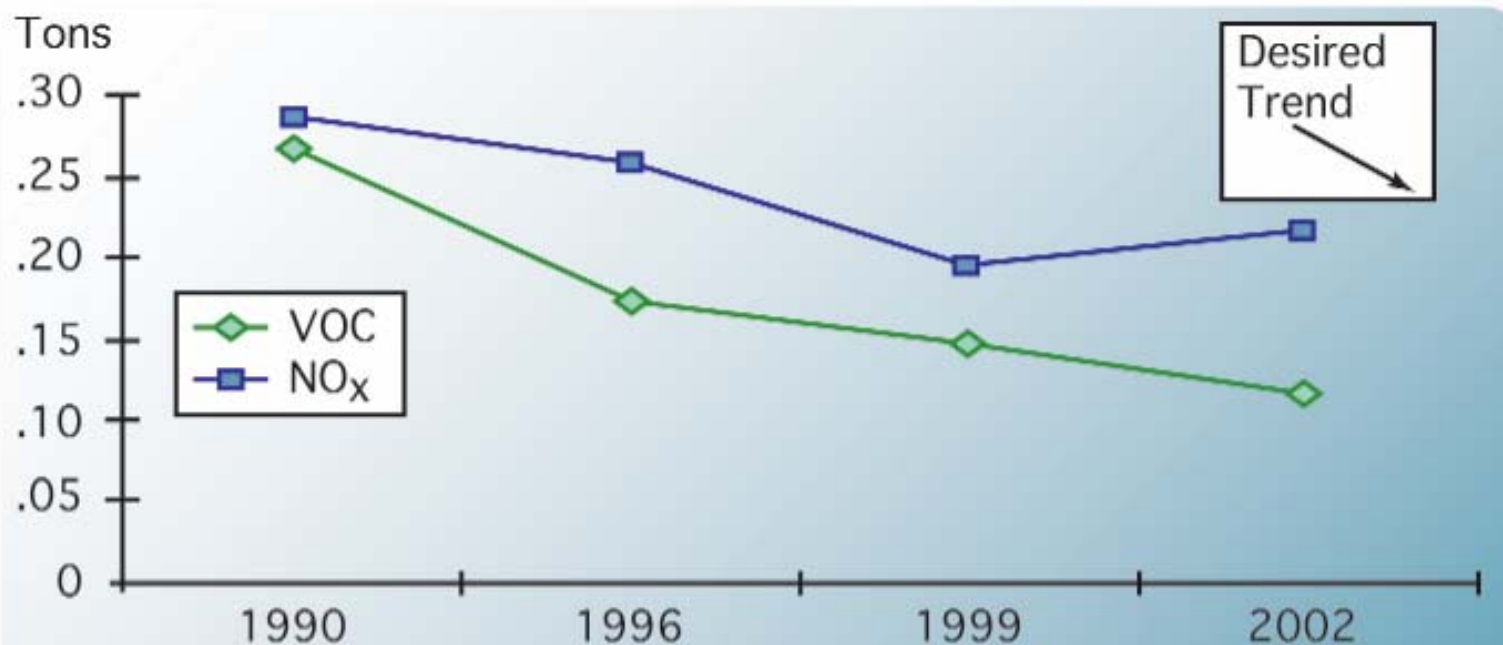


# GOAL

**To improve coordination of  
land use and transportation  
planning and improve the  
quality of life for Virginians.**

# Emissions

## *Tons of Transportation-Related Emissions*



# Level Of Service 2005

## *Percentage of Roads with Capacity Deficiency, 2005*



Note: Statewide mobility system.

# Level of Service 2025

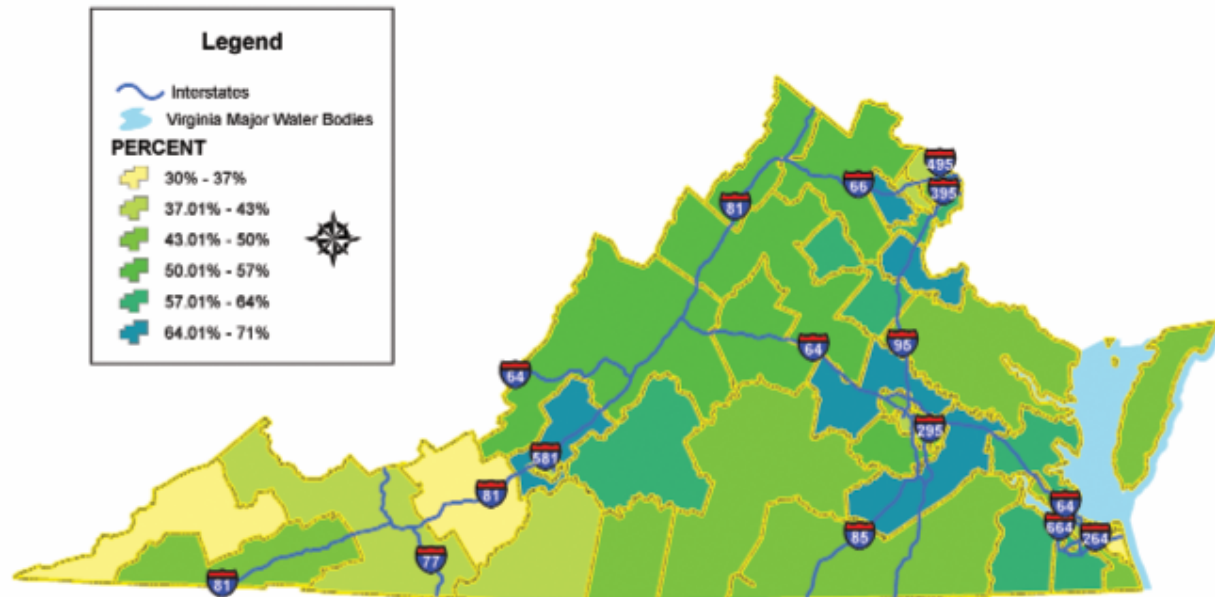
Percentage of Roads with Capacity Deficiency, 2025



Note: Statewide mobility system.

## Percent of Workers 16 Years and Over Who Worked Outside County of Residence, 2005

at the Public Use Microdata Area (PUMA) Level

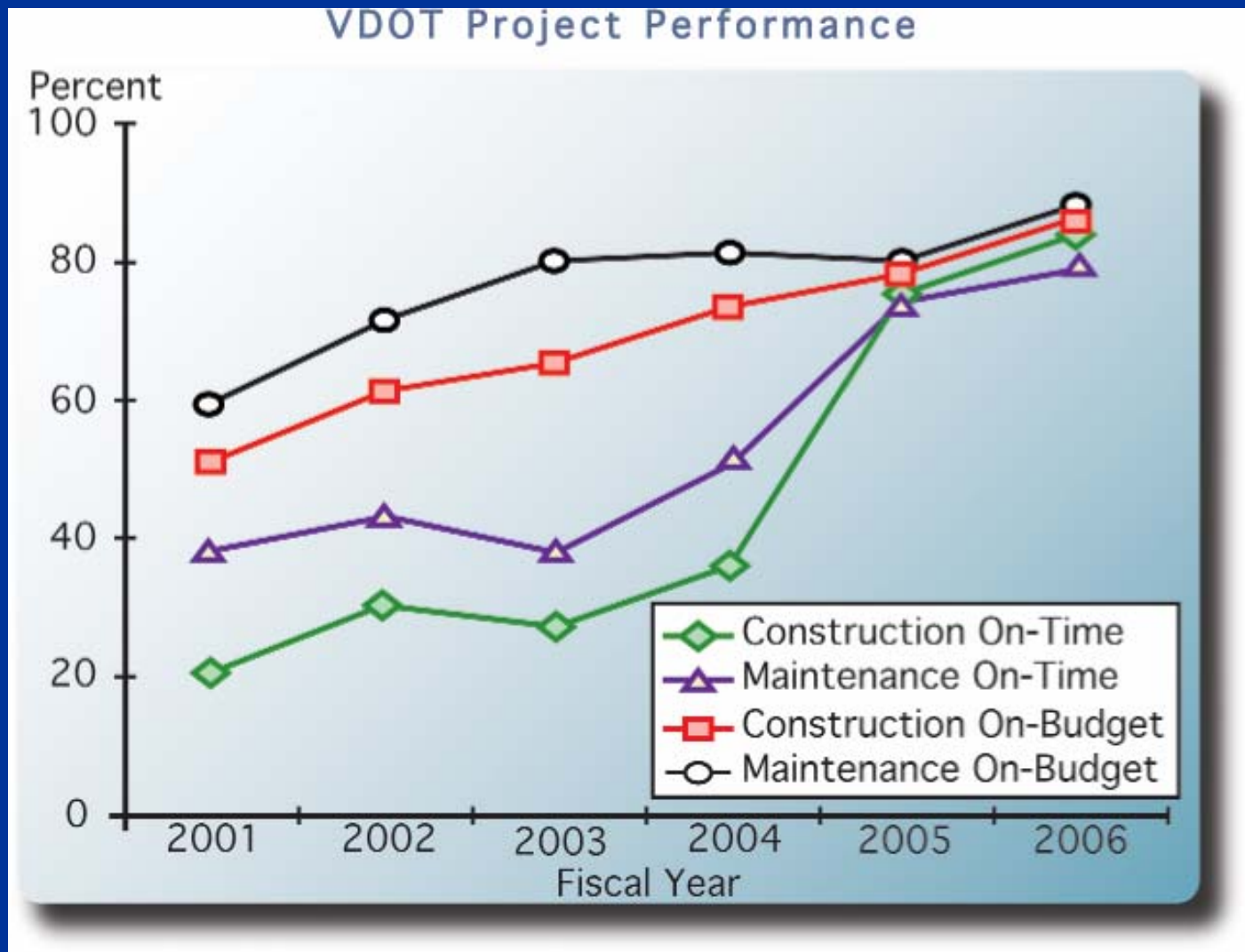


\*Data provided by the U.S. Census Bureau from the 2005 American Community Survey.  
As of the publication date of this data, complete coverage for the state was not completed  
therefore the data is an average for the geographic area.

## *Land Use and Quality of Life Performance Summary*

Performance Measure	Performance Trend	Desired Trend
Tons of Transportation-Related Emissions	↓	↓
Fuel Usage per Capita	↑	↓
Percentage of Roads with Capacity Deficiency	Unavailable	↓
Annual Hours of Delay per Year per Traveler	↑	→
Acreage of Land Preserved	↑	↑

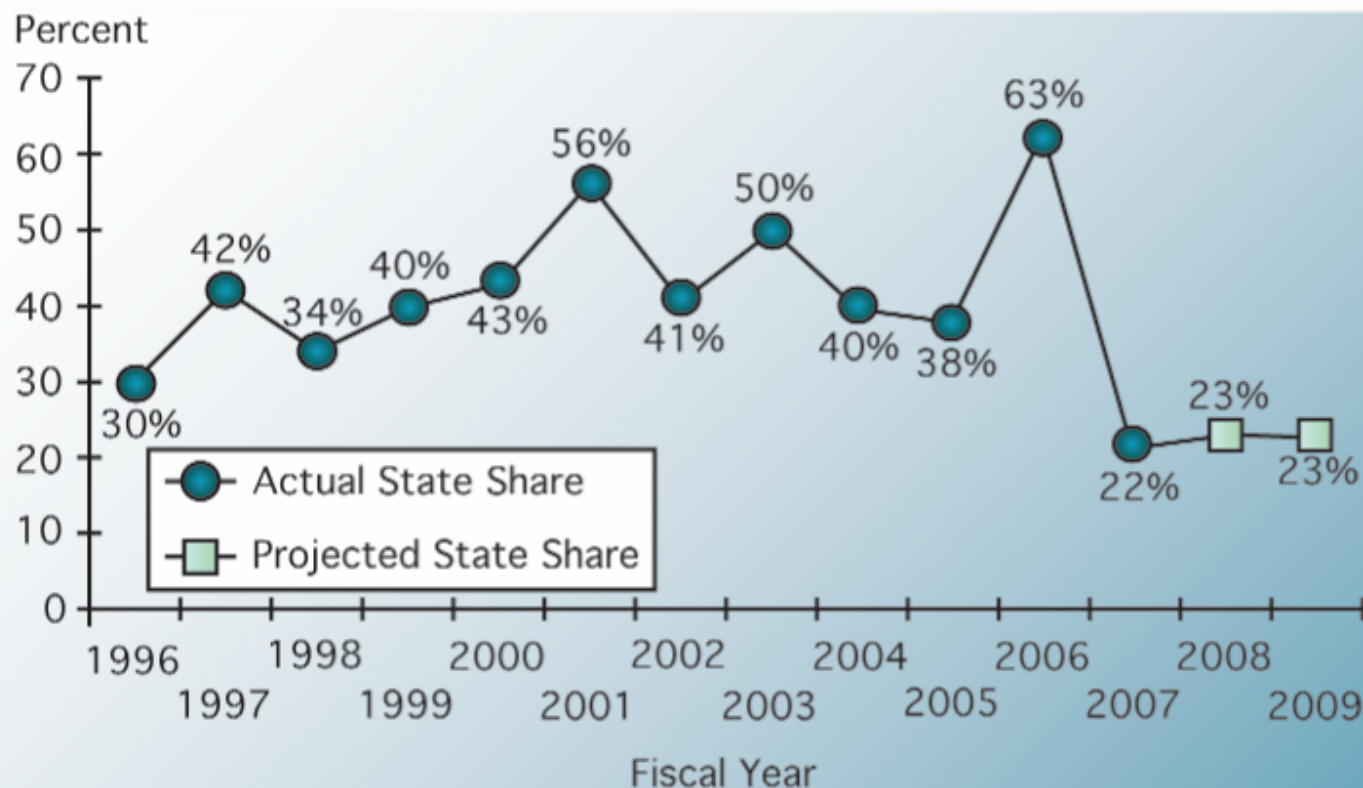
# Fiscal Responsibility





# Transit

State Share of Transit Expenses



Note: Data as of December 2006.



# Questions?